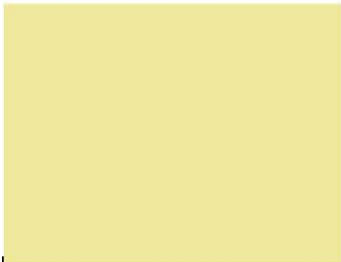
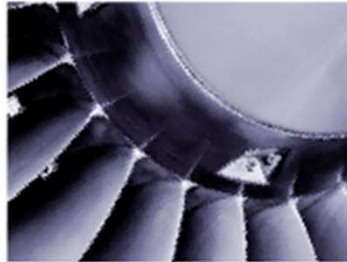




sherritt
THE NAME IN NICKEL



Who is Sherritt?

A photograph of an industrial facility at night, featuring large cylindrical tanks, pipes, and scaffolding illuminated by bright lights against a dark sky.

- Sherritt started in the 1920s in copper mining, then nickel in the 1940s
- Fort Saskatchewan Metals refinery started in 1954
- Other businesses developed from the 1960s on:
 - Metallurgical Technologies – 1961 (first licensee in 1967)
 - Rolling Mill and Coinage Plant – 1961
 - Fertilizer facilities – 1965, 1983
 - Specialty Materials and Chemicals – 1976

Sherritt Today



➤ Moa joint venture with the Fort Site

- Owns a mine and processing facility in Cuba
- Fort Site Metals and Fertilizer Production (approximate)

- Nickel and Cobalt 38k t/y
- Ammonium Sulphate 250K t/y
- Sulphuric Acid 250K t/y
- Anhydrous Ammonia 90K t/y

➤ Other operations

- Metallurgical Technologies Division (Fort Saskatchewan)
- Ambatovy JV - new 60,000 t/y nickel facility in Madagascar
- Oil and power production in Cuba



Site and Company Summary

➤ Inputs

- Imported nickel-cobalt feed
- Alberta natural gas and sulphur

➤ Outputs

- Nickel – *used in stainless steels, high-nickel alloys, batteries, electronics*
- Cobalt – *used in batteries, catalysts, aerospace alloys*
- Fertilizer (ammonia and ammonium sulphate)
- Sulphuric acid

A photograph of an industrial facility at night, featuring large storage tanks, pipes, and scaffolding illuminated by artificial lights.

Site and Company Summary

- Add value to Alberta's natural resources by creating high-value end products in a long-term sustainable manner
- Sherritt is a Canadian success story
 - Technology developed here, deployed around the world
 - Innovator and job creator - developed many spin-off businesses
 - Adaptable and flexible – have found new paths over 60 years

A photograph of an industrial facility, likely a refinery or chemical plant, at night. The scene is illuminated by bright lights, highlighting various structures, pipes, and towers. The overall atmosphere is industrial and somewhat dark, with the lights creating strong highlights and deep shadows.

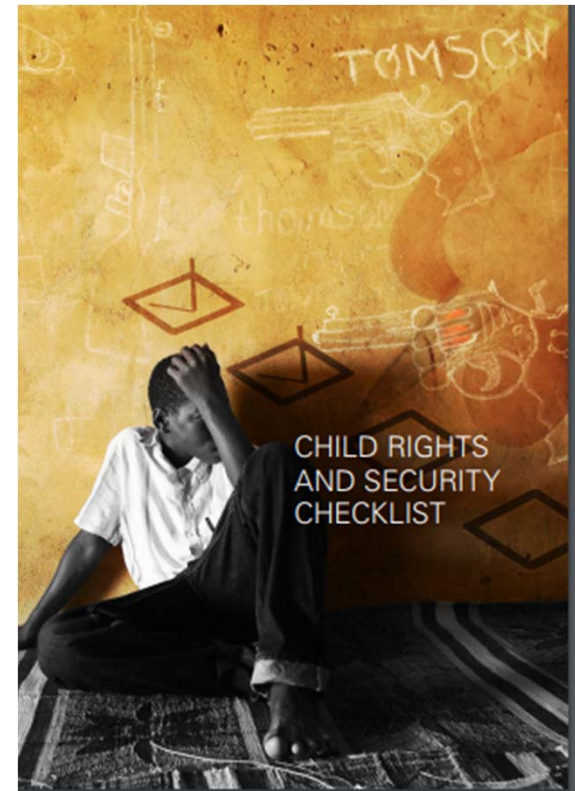
Sherritt Subscribes to the VPSHR

- The Voluntary Principles are the only human rights guidelines designed specifically for extractive sector companies. Participants in the Voluntary Principles Initiative — including governments, companies, and NGOs — agree to proactively implement or assist in the implementation of the Voluntary Principles.

Highlights

- Participation in the development of UNICEF Canada's Child Rights and Security Checklist

[https://www.unicef.org/csr/files/Child rights and Security Checklist ENG.pdf](https://www.unicef.org/csr/files/Child%20rights%20and%20Security%20Checklist%20ENG.pdf)



Highlights

- Signing on as a formal member of the Mining Association of Canada, an industry association that requires its members to align their security practices with the Voluntary Principles.

<http://mining.ca/towards-sustainable-mining>



Highlights

- Under the Mining Association of Canada, Towards Sustainable Mining, Crisis Management & Crisis Communications Component
 - Achieved alignment with corporate office on activation and notification protocols



A photograph of an industrial facility at night, featuring large storage tanks, pipes, and scaffolding illuminated by artificial lights.

Incident Command System

- In 2014 we presented our journey to fully adopt the Incident Command System (ICS).

A photograph of an industrial facility at night, featuring large storage tanks, pipes, and scaffolding illuminated by artificial lights.

ICS – Our Successes

- Increased support from Senior Management for staffing and training.
- introduced minimum training standards and we track and post internally.
- ICS-100 coaching sessions.

ICS - Training and Tracking

Who Has What ICS Training

	None	ICS-100	ICS-200	ICS-300	ICS-400	* New Member
Position	Lead	Deputy	Backups			
Incident Commander						
Information Officer						
Liaison Officer						
Safety Officer						
Operations Section Chief						

A photograph of an industrial facility at night, featuring large storage tanks, pipes, and scaffolding illuminated by artificial lights.

ICS – Our Successes

- Challenged conventional training by hosting tabletop sessions that started in the SECOND Operational Period.
- Training participants are now required to show their plans in detail.
 - Don't just say you're going to evacuate, show us how you're going to do it.
- We introduced ICS ice breakers and training timeouts.

A photograph of an industrial facility at night, featuring large cylindrical tanks, pipes, and scaffolding illuminated by artificial lights.

In Closing

- Sherritt continues to look for ways to improve upon its practices within TSM and on the VPSHR's across all of its operations including Canada, Cuba and Madagascar.



Questions?

Presented to Alberta Industrial Fire and Emergency Management Association